

PROJECT DESCRIPTION:

GENERAL

THIS PROJECT INVOLVES RELOCATION OF PEDESTRIAN SIGNAL INDICATIONS AT THE INTERSECTION OF MD 355 AND SOMERSET TERRACE IN MONTGOMERY COUNTY, MARYLAND. IN ADDITION, SIDEWALK RAMPS, AND A MEDIAN DEPRESSION WILL BE ADDED FOR THE CROSSING ON THE SOUTHERN LEG OF THE INTERSECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN NEMA (5) PHASE, SEMI ACTUATED MODE. THE MD 355 MOVEMENTS OPERATE CONCURRENTLY WITH PEDESTRIAN MOVEMENTS ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION. THE SOMERSET TERRACE/SAK'S 5TH AVENUE OPERATE IN SPLIT PHASING WITH ACTUATED PEDESTRIAN MOVEMENTS ACROSS THE EAST AND WEST LEGS OF THE INTERSECTION.

SPECIAL NOTES

1) THE FOLLOWING CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

PROJECT CONTACTS

1) THE FOLLOWING CONTACT PERSONS FOR DISTRICT #5 ARE AS FOLLOWS:

MR. LEE STARKLOFF, ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: (301) 513-7318

MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER-MAINTENANCE
PHONE: (301) 513-7304

MR. AUGIE REBISH, UTILITY ENGINEER
PHONE: (301) 513-7350

MR. RICHARD DAFF, CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. ROBERT SNYDER, ASSISTANT CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7631

MR. ED RODENHIZER, CHIEF OF SIGNAL SHOP
PHONE: (410) 787-7650

MR. ROBERT GONZALES, MONTGOMERY COUNTY TRAFFIC
PHONE: (240) 777-8761

2) MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR FOLLOWING THE STANDARD PLATES FOR TRAFFIC CONTROL.

EQUIPMENT LIST

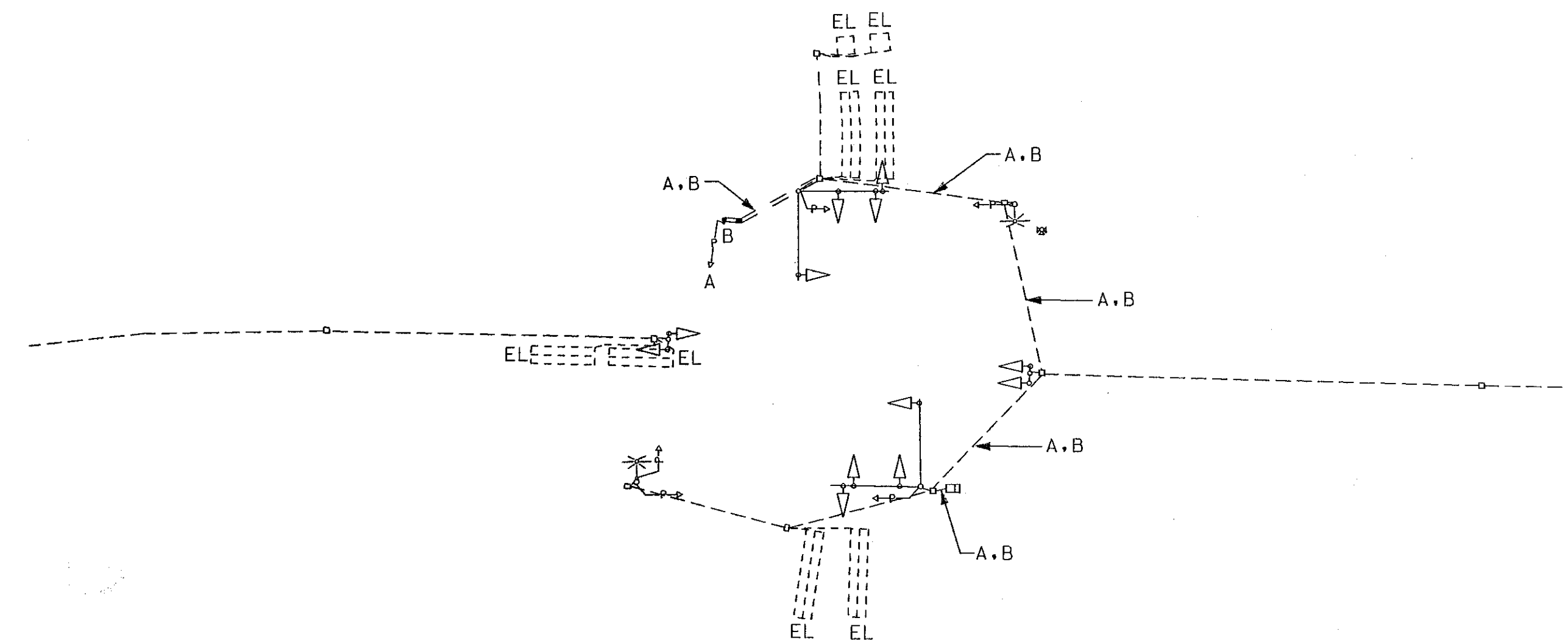
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9571	24 SF	SHEET ALUMINUM MAST ARM / POLE MOUNTED SIGN CONSISTING OF:
	2 EA	D3-1 96" X 12":
	1 EA	R3-5 30" X 36":

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
5001	60 LF	5 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5003	360 LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5004	65 LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5005	240 LF	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH
6003	90 SF	4 INCH CONCRETE SIDEWALK
8001	4 EA	12 INCH PEDESTRIAN SIGNAL HEAD
8009	1 EA	BREAKAWAY PEDESTAL POLE - ANY SIZE
8011	1 EA	PUSHBUTTON AND SIGN
8013	1 EA	REMOVE AND DISPOSE OF EQUIPMENT
8016	40 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8024	1 CY	CONCRETE FOR SIGNAL FOUNDATION
8045	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8047	24 SF	INSTALL OVERHEAD SIGN
8053	1EA	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
8059	245 LF	ELECTRICAL CABLE - 2 CONDUCTOR NO 14 AWG
8060	250 LF	ELECTRICAL CABLE - 3 CONDUCTOR NO 14 AWG

WIRING DIAGRAM:



LEGEND

A - 3 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG

B - 2 CONDUCTOR ELECTRICAL CABLE NO. 14 AWG

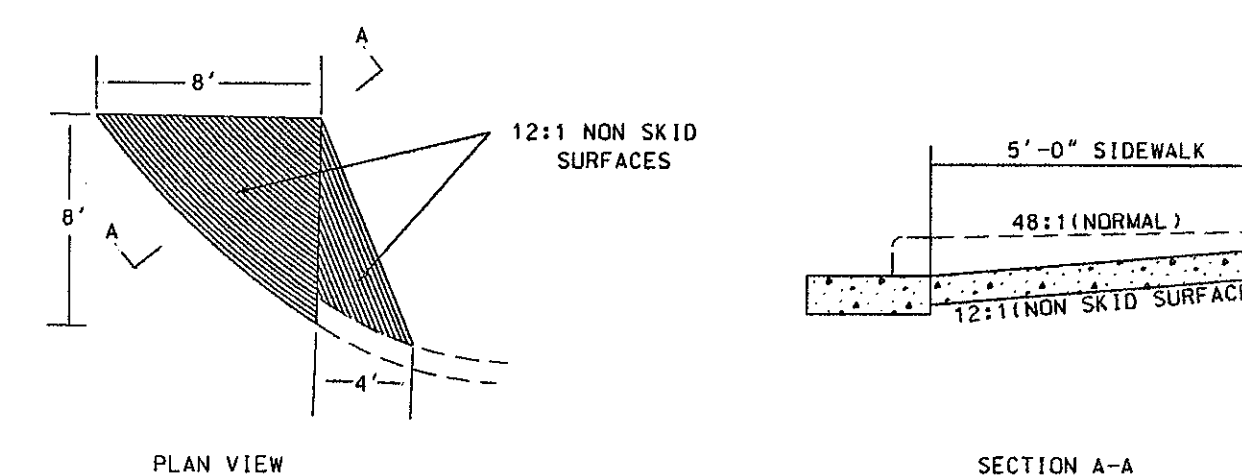
EL - EXISTING LOOP

NOTE: UNLESS OTHERWISE NOTED, USE EXISTING WIRING.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13,16	14,15	17,18
	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)
Phase 1 & 6	G	G	G	G	R	R	R	R	R	R	R	R	DW	WK	DW
1 Change	Y	Y	G	G	R	R	R	R	R	R	R	R	DW	WK	DW
Phase 2 & 6	R	R	G	G	G	G	R	R	R	R	R	R	WK	WK	DW
2 & 6 Ped Clear.	R	R	G	G	G	G	R	R	R	R	R	R	FL/DW	FL/DW	DW
2 & 6 Change	R	R	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW
Phase 3	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW
3 Change	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW
Phase 4	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW
4 Change	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW
Phase 4 Alt.	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	WK
Ped Clearance	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	FL/DW
4 Alt. Change	R	R	R	R	R	R	R	R	R	R	R	R	DW	DW	DW
Flashing	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK
Operation	FL/R	FL/R	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK

SIDEWALK RAMP DETAIL



SHA# M0409A51/B51 JOD/HAT582-04

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 355 AT SOMERSET TERRACE

DRAWN BY: CJW	F.A.P. NO. 2061 A	TS NO. 2061 A	SHEET NO. 2 OF 2
CHECKED BY: MAR	S.H.A. NO. 2061 A	T.I.M.S. NO. G-362	
SCALE: NONE	COUNTY: MONTGOMERY	LOG MILE: 15035500.33	
DATE: 9-15-04			